SCHAUB LORENZ

USER MANUAL

OF DIGITAL SET TOP BOX

TNT-29520MPEG2

Please read and keep these instructions

HI-SPEED USB CERTIFIED MP3 JPEG PHOTO MPEG4 VIDEO

Important safety instructions-please read carefully
And keeps for future reference

To reduce the risk of fire or electric shock, do not expose this product to water, rain or moisture. To prevent the risk of electric shock, do not remove the cover or back or this product. In case of product failure, only qualified personnel can repair. There are no user-serviceable parts inside.

CAUTION !
Dangerous tension inside the product! Do not open. Risk of electric shock! No parts can be repaired by the end-user. Only qualified personnel can repair and maintain this product.

If the electric cord is damaged, it must be replaced by the manufacturer or qualified after-sales personnel in order to avoid any danger.

The product must be installed in accordance with local laws.

Damaged batteries must be properly disposed. In order to protect the environment, please dispose the batteries properly, in accordance with local laws (information is available at your reseller).

Where to install the product
- Place the product on a straight, rigid and stable place. Do not place the product on a carpet.
- Do not place the product on top or another that may cause overheating (for example, a receiver or amplifier).
- Do not place anything underneath the product (for example, CDs or magazines).

Proper ventilation
- Place the product in a sufficiently-aerated place to avoid overheating. Allow at least 10cm spacing at the back and top of the product, and 5cm spacing on both sides to prevent overheating.
- Do not place items such as newspapers, tablecloth, curtains, in front or the ventilating openings.

Do not expose the product to high temperatures, moisture, water and dust.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus
- Do not place other items close to this product that may damage it (for example, an object containing water or lightened candles).
- No naked flame sources, such as lighted candles, should be placed on the apparatus.

Electric supply
- Please unplug the product in case of prolonged non-use.
- This product is intended to be used under temperate climate and should not be used under tropical climate.
- If the supply cable is damaged, it must be replaced by the manufacturer or qualified after-sales personnel to avoid any danger.
- This product must be connected to an electrical supply 230V ~ 50Hz.
- The mains plug is used as the disconnect device, so the disconnect device shall remain readily operable.

This product is compliant with directives 2006/95/EC (abrogating the directive 73/23/EEC modified by the directive 93/68/EEC) and 2004/108/EC (Abrogating the directive 89/336EEC).

- This logo set on the product means that the recycling of this apparatus comes within the framework of the directive 2002/96/EC of January 27, 2003 concerning the waste on electrical and electronic equipment (WEEE).

- The presence of dangerous substances in the electrical and electronic equipments can have potential consequences on the environment and human health in the cycle of reprocessing this product.

- Therefore, at the end of its lifetime, this product shall not be disposed with other non-recycled waste.

- As the end user, your role is of prime importance in the cycles of re-using, recycling, and other forms of valorization of this electrical and electronic equipment. Local authorities and resellers have set special procedures for the purpose of collecting and recycling this product.

- You have the obligation to use the selective waste collection systems put in place by your local authorities.

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1. Introduction

This DVB-T TV Receiver is a Free To-Air digital terrestrial receiver, allowing you to access free-to air digital terrestrial TV channels and radio broadcasts on your TV set. Its digital reception covers VHF&UHF band. Compared with the analog TV programs, digital TV programs eliminate the noise and interference but offer high quality video and audio. An on-screen initial installation guide is provided so that you can easily start to enjoy watching the programs. In addition, a fully featured remote controller is included that offers you access to every feature with a simple press of a button.
Lastly, with its USB port, this product can also serve as a multimedia station which allows you to listen to MP3 music and to view JPEG photos as well as MPEG-4 videos.

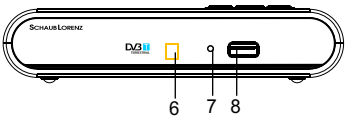
Auto Standby
In order to save energy, the electricity consumption of this product has been reduced in both operation mode and standby mode. Furthermore, if no operation is carried out for three consecutive hours, the unit will automatically enter standby mode. Simply press the Standby button on the remote control to switch the unit back to operation mode.

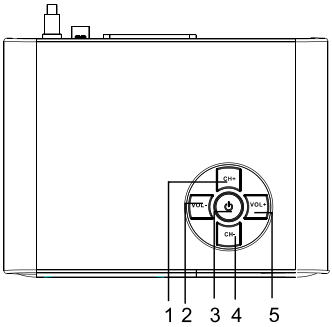
Main Features
- Full comply with European DVB-T standard
- Full MPEG2 ISO/IEC 13818 transport stream compliant audio/ video decoding
- Bandwidth of 7/8 MHz supported
- COFDM demodulator
- Automatic/manual channel search
- Channel edit, moving and deletion
- Parental lock control
- NTSC/PAL converting automatically and manually
- Multiple-language OSD
- Supports multi-subtitle
- Tuner RF in/loop through

Package Contents
Before installation, please check the items of the package.
The package should contain the following items:
~ DVB-T TV Receiver x1
~ Remote Controller x1
~ User's Manual x1

2. Front Panel and Rear Panel

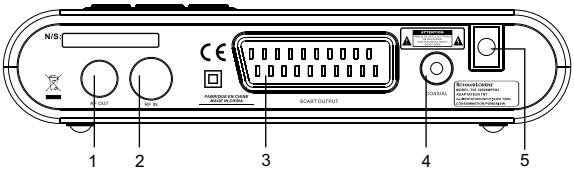
Front Panel





1.CH+	**5.VOL+**
2.VOL-	**6.REMOTE CONTROLSENSOR**
3. STANDBY SWITCH	**7.STANDBY INDICATOR**
4.CH-	**8.USB INPUT**

Rear panel



1. RF LOOP THROUGH: This socket will bypass the RF signal to either your TV or another video system.
2. RF IN : This socket connects to your external aerial.
3. TV SCART: This socket connects to your TV.
4. COAXIAL: This socket connects to a coaxial socket on your home theater.
5. MAINS CABLE: This is used to connect to your main power supply.

3. Quick Installation Guide for First Use

First step: Connect the DVB-T with your antenna and your TV

Connect your home antenna directly with your DVBT, then connect your TV with the DVBT with a SCART cable. (SCART and antenna cables not provided).
(as explained further in the present instruction manual)

Second step: Prepare the remote control

Insert two AAA batteries inside the remote control (batteries not included).

Third step: Select the language

- Turn on the unit by pressing the (standby) button located on the unit's front panel.
- The default language is French. If you need to change this language, press the "Menu" key of the remote control.
- Then select "TV NUMERIQUE"
- Then select "CONFIGURATION"
- Then select "AFFICHAGE / MENU"
- Then select "LANGUE DES MENUS" and choose your language: ESPAGNOL for Spanish, PORTUGAI for Portuguese, ANGLAIS for English, and Pays-Bas for Nederland language.

Step 4: Select the Channel Auto-Search

- Press the "Menu" key from the remote control;
- Select **Digital TV**
- Then select **installation**
- Then select **Auto search** in order to run the automatic channels search. Channels scanning may take a few minutes to complete.

The programs will be then automatically scanned and parametered onto your DVB-T.

Also consult the rest of this instruction manual for more information;

Important Remarks:

(1) Analog Reception and DVB-T Reception
When you wish to watch TV using your TV tuner (analog tuner) and that your DVB-T unit has been turned off or unplugged, the image quality can be deteriorated according to the TV you are using. This is normal, your DVB-T unit must be set in standby mode to allow a good quality signal.

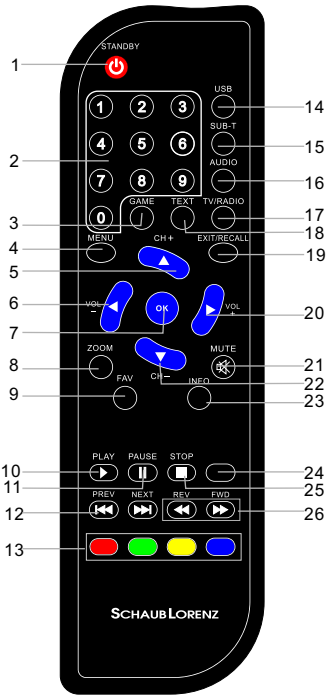
(2)Problems receiving DVB-T channels
- First check that you have well connected your home antenna with the DVB-T unit.
- Start a new automatic channel search as follows:
1. Press the MENU key from the remote control
2. Select **Digital TV**
3. Then select **installation**
4. Then select **Auto search** in order to run the automatic channels search.

(3) Different volume levels between channels in AC3 format and those in stereo format.
Certain DVB-T programs may be broadcasted in AC3 format, which provides a superior audio quality via the coaxial output from the receiver. If you chose the AC3 format and switch to a channel in stereo format afterwards, the audio volume may increase depending on the DVB-T program format and your home theatre equipment. This is normal; in this case, consider reducing the volume prior to changing channels to avoid listening gene.

(4) Receiving CANAL PLUS
With this unit you can receive CANAL PLUS when the content is unscrambled (free of charge). When you scan and launch the channel search during the first installation, and that CANAL PLUS is scrambled at that time, it is possible that the unit classifies this channel as a scrambled channel, and therefore as an unavailable channel. In order to resolve this problem: launch a new channel search, as described in the section above, at a time when CANAL PLUS broadcast unscrambled programs. CANAL PLUS will then be listed correctly as a viewable DVB-T channel.

(5) If the reception problem still occurs.
Your unit has been tested for optimal performance over all the country. In most cases, the DVB-T reception problems are due to a weakness in your home's antenna installation. If your installation is old, or has never been tested for DVB-T, the signal can be too weak or flawed for the unit to work properly. It is therefore highly recommended that you ask for a qualified technician to test the compliance of your home antenna. This unit has been designed and is guaranteed to work with a signal of at least 60dB.

4. Remote Controller

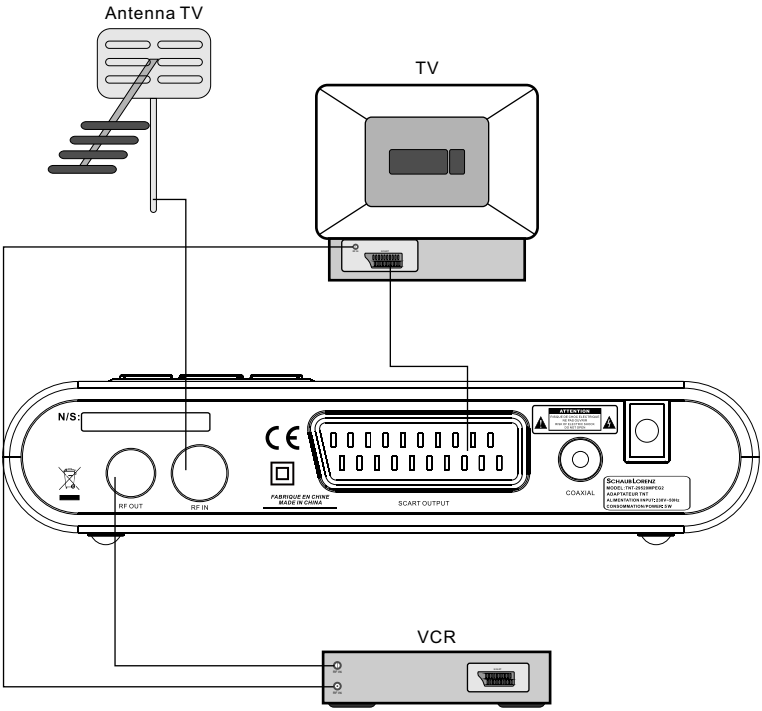


1.STANDBY: Used to switch the set top box to on and off.
2.NUMBER KEYS: Used to select channel numbers or input numbers in menus.
3.GAME: Used to select 3 built -in mini games:Box Man, Tetris,Hit Rat.
4.MENU: Used to open the main menu window.
5.CH+: Used to move around the menu screens or selecting the channels in non-menu state.
6.VOL-: Used to move around the menu screens or changing the volume in non-menu state.
7.OK: Used to confirm a selection within a menu.
8.ZOOM: Enable/disable zoom.
9.FAVORITE: Used to access your favorite channels.
10.PLAY: Play USB Media
11.PAUSE: Used to pause or playback the program being viewed.
12.PREV/NEXT: play previous/next USB Media
13. RED/BLUE/GREEN/YELLOW BUTTONS: These buttons are used to navigate teletext pages.
14.USB: Play USB media.
15.SUB-T: Used to switch between different subtitles that are broadcasted.
16.AUDIO: Used to set the sound output,the available settings are STEREO,LEFT,RIGHT.
17.TV/RADIO: Used to switch between TV channels and Radio stations.
18.TEXT: Used to open teletext OSD display if teletext available in the broadcasted stream.
19.EXIT/RECALL:
(1).return to upper menu
(2).programs replaying under mode of full screen
20.VOL+: Used to move around the menu screens or changing the volume in non-menu state.
21.MUTE: Used to turn the sound on or off.
22.CH-: Used to move around the menu screens or selecting the channels in non-menu state.
23.INFO:
(1).Display the detailed information of programs
(2).Show help information of the keys in current menu.
24. Button without function.
25.STOP: Stop playing USB Media.
26.REV & FWD:
(1).image zoom in/out
(2).speed up/down while USB Media playing

Note:SUBTITLE/TEXT/AUDIO may not be available for all Channels

5. Connections

Connecting to TV and VCR



6. First Time Installation

After all the connections have been made properly, switch on your TV. Make sure the receiver is connected to the mains and press **STANDBY** to switch the receiver on. If you are using the receiver for the first time, a **First Time Installation** menu will be displayed to guide you through the initial setup. Use the remote controller to finish the setup.

1. At the **First time installation** menu, Enter you regional settings include your OSD Language and Area.Then press **OK** to proceed.

Figure 6.1

Note: Make sure to select the region you are located since the receiver will scan the channels based on the bandwidth of the region you selected. If your region is not on the list, you are recommended to conduct a manual search. Refer to “Manual Search” on page 18 for details.

2. Select **Yes** to start the automatic channel search.

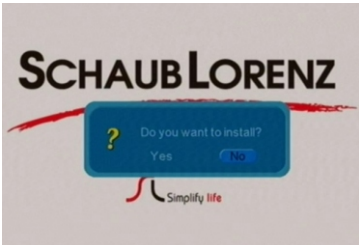


Figure 6.2

3. Wait to complete the scanning.
In case you want to stop the scanning, press the **EXIT/RECALL** key.
The channels already found will still be stored.

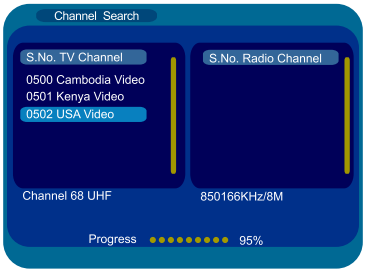


Figure 6.3

4. When finished, all active channels found will be stored Automatically. The last found channel will be played.

Now you are ready to watch digital terrestrial TV channels and radio broadcasts.

In case you skip the **First Time Installation** screen, you can still specify your **Regional Setting** and **Program Search** via the on-screen setup menu.

The **Regional Setting** menu can be accessed via Main Menu > Digital TV > Configuration > System Setup > Area.

The **Program Search** menu can be accessed via Main Menu > Digital TV > Installation. Refer to “Auto Search” on page 17 for details.

7. Basic Operations

Once program search is completed, you can start to watch digital terrestrial TV channels and radio broadcasts. Some typical operations are given in this chapter.

Switching On and Off

Whenever you are not using the receiver, press the **STANDBY** key on remote control to put it into standby mode.

Changing Channels

To switch between different channels, you can:

- Press **OK** to switch the speediness program list, press **LEFT/RIGHT** to select different program class, press **UP/DOWN** to select program.

Figure 7.1

- Press the **CH+/CH-** key to go to the previous/next channel.
- Use the numeric keys to select a channel number.
- Use the **EXIT/RECALL** key to return to the previous viewed channel.

Watching Favorite List

You can press **FAVORITE** to watch your preset favorite channels. To create your favorite list, Refer to “Channel Organizer” on page 11 for detailed information.

Choosing Subtitle

You can press the **SUB-T** key to select or close subtitles on the screen. The available subtitles depend on the broadcaster.

Freezing

When watching a channel, you can freeze the current screen by pressing the **PAUSE** key. Pressing it again disables the freeze Function.

Displaying Text

Press the **TEXT** key to open a teletext page (if teletext is transmitted). Press **TEXT** key again to close it.

Sound Mode Selection
Certain channels or programmes, such as films, may be broadcast in several different audio languages or formats. To display available audio options of the DVB-T channel that you are watching, press the AUDIO button on the remote control. After that, use the UP and DOWN navigation buttons to select your preferred audio language or sound mode.
Note on AC3 mode: Some DVB-T programmes may be broadcast in AC3 mode. In order to choose the AC3 sound tracks, you should possess a home theatre and should have your receiver connected to your home theatre using a coaxial cable.

Remarks:
- The availability of audio language and AC3 sound mode depends on DVB-T programmes. Some programmes may offer a single audio language and no AC3 sound track. The AC3 sound track may also be available uniquely during certain hours of broadcast – for instance, it may be available only for films.
- When you select the AC3 sound, the audio output from your television's speakers is disabled, since the sound is transmitted directly to your home theatre system from the receiver's coaxial output. Please verify that your home theatre is capable of decoding AC3 sound beforehand.
- If you have selected the AC3 mode and then switch to another channel which broadcasts only in stereo mode, the output volume may increase. Such change in volume is normal and is affected by your home theatre's settings. To avoid any possible listening discomfort, please consider reducing the volume before changing channel.

Figure 7.2

Screen Zoom
1. Press **ZOOM** to enable zoom mode and show a reading glass on screen left-up.
2. Press **REV**&**FWD** to zoom current image being played if in full-screen, zoom in scaling order is: "zoom 2 → zoom 3 → zoom 4",zoom out scaling order is: " zoom 1/2 → zoom 1/3 → zoom 1/4 ".

3. When zooming in, press **LEFT**, **RIGHT**, **UP** and **DOWN** to move the image to the destination.
Press **ZOOM** or **EXIT/RECALL** to cancel current image zoom mode.

8.1 Channel Manager

System offer an efficient function of channel management such as channel deleting, marking, moving, locking, sorting and grouping.

You can enter the page via “Menu>Digital TV > Channel Manager”.

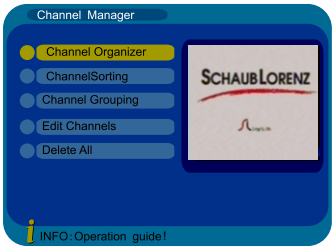


Figure 8.1

8.1.1 Channel Organizer

Channel organizer page includes favorite channels, channel deleting, moving, locking and rename.

1. Creating Favorite Channel Groups: This feature allows you to group your favorite channels.To create your favorite groups:

(1).Press **UP/DOWN** key to select the channel which you would like to add to the group.

(2).Pressed the **RED** key one heart symbol would appear. Pressing the **RED** key again will un-select the channel from the favorite group.

(3).Once your favorite group is created,you can press the **FAVORITE** key to quickly access your favorite channels.

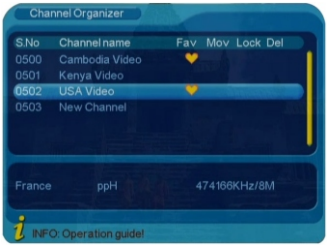


Figure 8.2

2. Moving a Channel:

(1).Select the channel which you like to move and go to the Move column.

(2). Press **YELLOW** and a ↷ symbol will be displayed.

(3). Use the **UP/DOWN** key to move the channel to a desired position.

(4). Press **OK** to proceed.

Figure 8.3

3. Lock Channel: Select the channel you want to lock and then press **BLUE**. A padlock symbol will be displayed. To remove the lock,press **BLUE** again. (To set or cancel Lock program, the system will hint to input password, default is “0000”.)

Figure 8.4

4. Deleting a Channel

(1).Select the channel which you like to delete.

(2).Press **Green** and an " ⊗ "symbol will be displayed. Repeat this step in the channel to be cancel.

(3).Press **EXIT/RECALL** and the marked channel will be deleted.

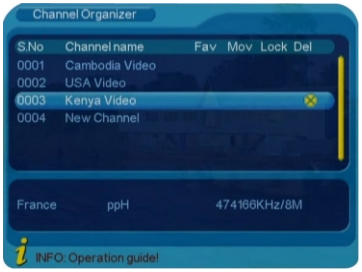


Figure 8.5

5. Rename Channel: To rename channel , press **UP/DOWN** key to choose the line where the channel to be renamed is, press **LEFT/RIGHT** key to enter the page to rename the channel.

Figure 8.6

8.1.2 Channel Sorting

The channels shall be listed according to certain sequence so that the user can easily find them.

1. You can enter the page as shown in the figure below via "MENU>Digital TV > Channel Manager > Channel Sorting":

Figure 8.7

2. Before sorting, the type of sorting shall be set, including the following items:

(1).First Option: choose the programs to be sorted via the selection area;

(2).Second Option:FTA(free of charge), Scramble(encrypted), ALL Free and Encryted Channels;

(3).Third Option: According to alphabetic order A-Z, or Z-A;

3.Press **UP/DOWN** key choose Type , Press **LEFT/RIGHT** key to set Sorting Parameters.

4. After sorting is set, to realize channel sorting, press **OK** key.

8.1.3 Channel Grouping

Group channels according to Movies, Sport,Music, Kids, Fashion etc.

1. You can enter the page via “MENU > Digital TV > Channel Manager > Channel Grouping”:

Figure 8.8

2.Press **UP/DOWN** key to choose the line where the channel to be grouped is in, then press the number keys 1-8 on the remote controller to set different channel grouping.

3. After channel is edited, when **EXIT/RECALL** key is pressed to exit the menu, if actual channel editing action exists, the system will carry out channel grouping renewal, with the hint of “Successfully Update”.

8.1.4 Edit Channels

Have such operations as Add, Delete and Rename to channels.

1.You can enter the page via “MENU > Digital TV > Channel Manager > Edit Channels”:

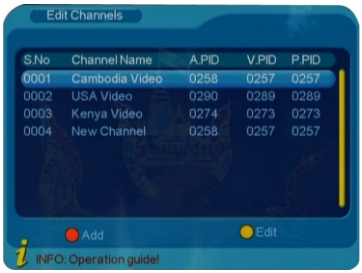


Figure 8.9

2.Press the **RED** key of the remote controller to enter Add Channel menu.

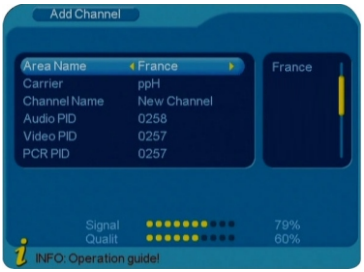


Figure 8.10

Under Add Channel menu, there are 6 parameters for adding one channel as follows: Area Name,Carrier,Channel Name,Audio PID,Video PID,PCR PID.

Press **OK** key to confirm the adding, the system will hint with "Successfully Update" and return to Edit Channel menu;
Press **EXIT/RECALL** key to return to Edit Channel page.

3.Press the **YELLOW** key to enter Edit Channel menu, as shown in Figure below:

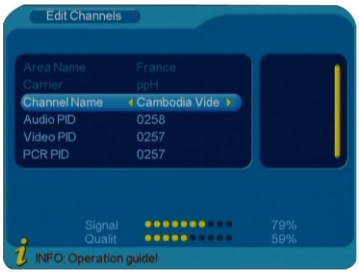


Figure 8.11

The operation for this menu is as that of for Add Channel page.

8.1.5 Delete All

If you do not like one or some channels, you can delete it/them in Channel Organizer menu , but, if you do not like all TV or Radio, you can enter Delete All menu to choose to delete all TV, RADIO.

1.Under Channel Manager menu, press **UP/DOWN** key to choose Delete All option, press **OK** key again, then the system will hint with the dialogue box of inputting password which is defaulted as “0000”, input the proper password via the 0-9 number key, then enter Delete All menu.

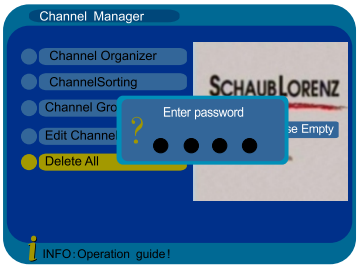


Figure 8.12

8.2 Installation
8.2.1 Auto Search

Auto search is a kind of intelligent and convenient mode of programs searching, which covers programs of all frenquent points of target countries or regions.

1. Enter the Auto search menu via Main Menu > Digital TV > Installation > Auto Search, Press **OK** to start Auto Search.

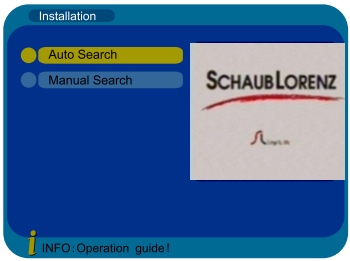


Figure 8.13

2. After entering into auto search page,system will scan all programs one by one under frequency points of current countries or regions selected automatically.

3. During scanning, press **EXIT/RECALL** key to stop and exit scanning.

4. If any program is detected and the scanning process is finished, system will exit the scanning page and save the program, at the same time return to the “installation menu” and to play them in vpp window automatically.

8.2.2 Manual Search

If any channel is missing after auto search, or you want to add newly launched channels, you can use Manual Search to scan the desired channels. To manually search the target channel, you must know its parameters, e.g., the channel number. After the channel is found, it is appended to the current channel list.

1. Enter the **Manual Search** menu via Main Menu > Digital TV > Installation > Manual Search.
2. Specify the appropriate channel number in the **Channel No** field by pressing **RIGHT/LEFT** or the numeric keys. Upon your selection, the frequency and bandwidth values are changed accordingly.
3. Select **OK** to start manual search.

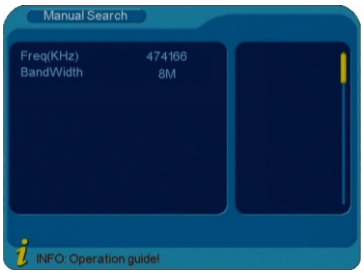


Figure 8.14

8.3 Configuration

Configuration provides individualized system setup function, you can configure the system according to your own hobby and demand. You can enter Configuration menu via the menu(MENU > Digital TV > Configuration).

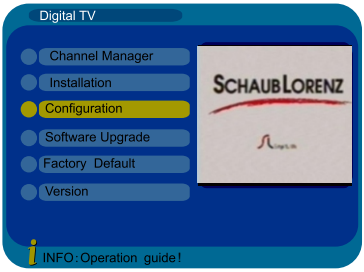


Figure 8.15

8.3.1 OSD

Via OSD option setup, you can set the user interface display mode according to your own demand.Via the menu(MENU > Digital TV > Configuration > OSD), you can enter OSD menu.

(1).**OSD:** sets system menu mode.

(2).**Time on OSD:** sets whether to display system time in full-screen play channel.

(3).**OSD Timeout:** sets some information hint dialogue box and displays time length.

(4).**OSD Trans:** sets menu transparency.

(5).**OSD Language:**Select the on-screen-display language as required.

(6).**Mp4 Subtitle Language:** Allows you to select the subtitle language.

Figure 8.16

(7).**1 st/ 2nd Audio Language:**This option allows you to select your first and second choice for the audio language. If neither of your selected language is available on the program transmitted,the main language of the program will be used. You can alternatively press the **AUDIO** key to use another available language.

8.3.2 TV Display

TV setup provides convenient TV input mode, you can via menu (MENU->Digital TV->Configuration -> TV) enter TV set. Include:Display Mode, Aspect Ratio,Video Output,Brightness,Contrast,HUE,Saturation.

All options are listed on the left of the menu, when the cursor moves to the option on the left of the TV menu, the values corresponding to this option can be displayed on the right of the menu.

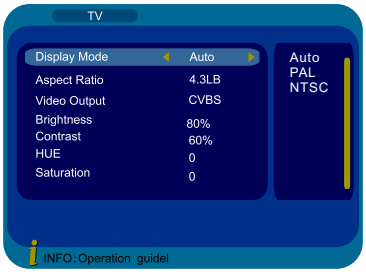


Figure 8.17

Display Mode: This option allows you to select TV system among PAL, NTSC and Auto.

Aspect Ratio:

- **4:3 LB (Letterbox):** For conventional 4:3 TV. The full width of a windscreen content is displayed on a normal TV with black bars above and below the picture.
- **4:3 PS(Pan & Scan):** For conventional 4:3 TV. It crops the left and right edges of a windscreen content to fit a normal TV.
- **16:9-**If you are using a wide screen TV, select this option.

Video Output: Set the video mode as CVBS or RGB.

8.3.3 System Setup

System Setup menu can provide convenient system setup, you can via menu (MENU >Digital TV >Configuration > System Setup) enter System Setup menu.

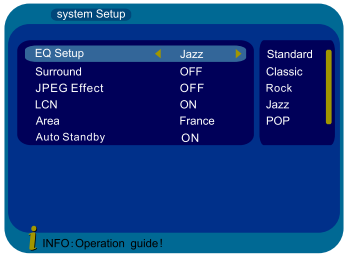


Figure 8.18

EQ Setup: To set output sound effect.
Surround: To set stage effect.
JPEG Effect: To set picture effect.
LCN: Logic Channel Number: ON or OFF.
Area: To set scanning area and choose, choose area to download preset channel settings.
Auto Standby: Automatic switch to standby mode after 3 hours of active mode without action from user.

8.3.4 Time Setting

Select an appropriate time zone to display the local time correctly. you can via menu(MENU > Digital TV > Configuration > Time) enter Time setting menu.

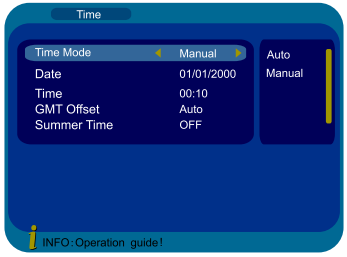


Figure 8.19

In Time menu, there are two time modes, one is Auto setting: revise via setting GMT(Greenwich Mean Time) Offset, Summer Time options; the other is Manual setting: revise via setting Date, Time options.

When the setting is Manual, press **UP/DOWN** key to move upward and downward the cursor to move only between Timer Mode,Date and Time.

(1). Set Date option, move the cursor upward and downward onto Date option , press **LEFT/RIGHT** key to enter date setting menu.

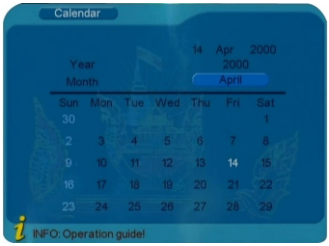


Figure 8.20

In Date setting menu , Press **INFO** key to eject help information.

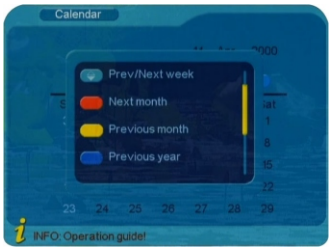


Figure 8.21

(2). Set Time option, move the cursor upward and downward to Time option, press 0-9 number key to revise values.

After time is set , Press **OK** key to save the setting ,the system will hint with “Successfully Update”.

8.3.5 Parental Lock

Change PIN: Allows you to change the PIN. A PIN can be composed of 1 to 4 digitals. To change the PIN, enter the old, new PIN in the provided fields. (The default PIN is “0000”)

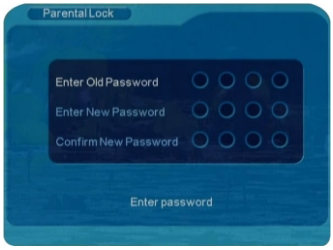


Figure 8.22

Watching Locked Channels

Once a channel is locked, whenever on one want to watch the locked channel, correct PIN must be entered.

Figure 8.23

8.4 Factory Default

This option allows you to resume factory defaults.

1.Select **OK** to reset defaults ,

2. All Programs you have searched will be erased and all parameters ,e.g.,the regional settings ,languages and favorite lists ,will return to the factory default.

3. After restoring defaults ,turn off the unit and switch on it again ,a **First Time Installation** screen appears asking if you would like to conduct an automatic scan search.

USB

Connecting a USB device

(1).Power-on the unit.

(2).Insert a USB key or a compatible memory card inside the connector.

(3).Press **USB** to enter the playing USB menu.

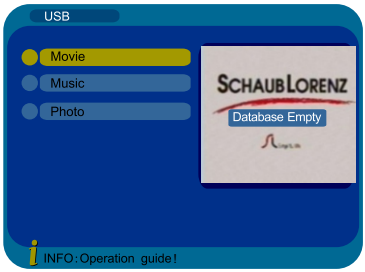


Figure 8.24

Formats compatible with this unit are: JPEG photos of up to 6MB, standard definition MPEG-4 videos and MP3 audio files (without copyright protection DRM).

Press **UP/DOWN** key to select movie item to play movie files.

Press **UP/DOWN** key to select music item to play music files.

Press **UP/DOWN** key to select photo item to play photo files.

During USB device playback, press EXIT key to back the selected TV program.

Remark : Depending on the capacity of the device ,the reading can take more than 1 minute before launching the video.

The unit cannot read my USB device.	-Once you have plugged your device to the unit, you may need to switch on the USB device before it can operate. -This unit does not support a direct USB connection with a computer. You need to use a USB device, a MP3 player or a PMP (Portable Multimedia Player with hard disk). -If you are using a USB external hard disk: you need to connect your device simultaneously to an external power source and to the unit. If you are using a self-powered PMP, make sure that the battery is sufficiently loaded. -Check that the files system of your USB device is formatted into the FAT or FAT 32 format. USB device formatted into NTFS are not compatible with this unit. Caution: if you attempt to modify your file system, formatting your device will erase all data. Please refer to your USB device's instruction manual first.

Warning: Connect your USB device directly to the USB port of the device. Using an extension cable is not recommended and may cause interference and failure of data transfer.

Troubleshooting

If you experience problems with this receiver or its intallation,in the first instance please read carefully the relevant sections of this User Manual and this Troubleshooting section.

Problem	Possible cause	What to do
Standby light not lit	Mains lead unplugged	Check mains lead
	Mains fuse blown	Check fuse
No signal found	Aerial is disconnected	Check aerial lead
	Aerial is damaged/misaligned	Check aerial
	Out of digital signal area	Check with dealer
No picture or sound	Tuned to digital teletext channel	Retune to another channel
Mosaic blocks in picture or picture freezes	Aerial may not be compatible	Check aerial
Scrambled channel message	Channel is scrambled	Select an alternative channel
Forgotten channel lock code		Re-install channels to cancle channel lock
No response to remote control	Receiver off	Plug in and turn on receiver
	Handset not aimed correctly	Aim handset at front panel
	Front panel obstructed	Check for obstructions
	Remote control batteries are inserted incorrectly	Check batteries direction
	Handset batteries exhausted	Replace remote control batteries
After moving the receiver to another room,find can't receive the digital reception	The aerial feed may come through a distribution system which may reduce the digital signal now received by the receiver	Try a direct feed from the antenna
The unit shuts down automatically.	If no operation is performed from the remote control for three hours, the unit will automatically switch to standby mode to reduce power consumption.	Press the Standby button to put the unit back into operation.

Important Remarks:

(1) Analog Reception and DVB-T Reception
When you wish to watch TV using your TV tuner (analog tuner) and that your DVB-T unit has been turned off or unplugged, the image quality can be deteriorated according to the TV you are using. This is normal, your DVB-T unit must be set in standby mode to allow a good quality signal.

(2)Problems receiving DVB-T channels
- First check that you have well connected your home antenna with the DVB-T unit.
- Start a new automatic channel search as follows:
1. Press the MENU key from the remote control
2. Select **Digital TV**
3. Then select **installation**
4. Then select **Auto search** in order to run the automatic channels search.

(3) Different volume levels between channels in AC3 format and those in stereo format.
Certain DVB-T programs may be broadcasted in AC3 format, which provides a superior audio quality via the coaxial output from the receiver. If you chose the AC3 format and switch to a channel in stereo format afterwards, the audio volume may increase depending on the DVB-T program format and your home theatre equipment. This is normal; in this case, consider reducing the volume prior to changing channels to avoid listening gene.

(4) Receiving CANAL PLUS
With this unit you can receive CANAL PLUS when the content is unscrambled (free of charge). When you scan and launch the channel search during the first installation, and that CANAL PLUS is scrambled at that time, it is possible that the unit classifies this channel as a scrambled channel, and therefore as an unavailable channel. In order to resolve this problem: launch a new channel search, as described in the section above, at a time when CANAL PLUS broadcast unscrambled programs. CANAL PLUS will then be listed correctly as a viewable DVB-T channel.

(5) If the reception problem still occurs.
Your unit has been tested for optimal performance over all the country. In most cases, the DVB-T reception problems are due to a weakness in your home's antenna installation. If your installation is old, or has never been tested for DVB-T, the signal can be too weak or flawed for the unit to work properly. It is therefore highly recommended that you ask for a qualified technician to test the compliance of your home antenna. This unit has been designed and is guaranteed to work with a signal of at least 60dB.

10. Specifications

Item	Specification	
Tuner	Frequency Range	VHF:174MHz to 230MHz UHF:470MHz to 862MHz
	Input Impedance	75 Ohms unbalanced
	Signal Input Level	-78~ -25 dbm
	Bandwidth	7/8 MHz
Demodulation	Demodulator	COFDM
	OFDM Modulation	2K,8K FFT,SFN and MFN
	Packet Carries	2K/8K
	Guard Interval	1/4,1/8,1/16,1/32
Connectors	RF IN	IEC 169-2 female connector
	RF LOOPTHOUGH	IEC 165-2 male connector
	TV SCART	Composite video(CVBS),RGB,audio L/R
	COAXIAL	RCA,for SPDIF digital audio output
	USB	USB2.0
Power	Input	230V~ 50Hz
	Consumption	5 W max
Display	Decoder Module	PAL,NTSC
	Resolution	720x576(PAL);720x480(NTSC)
	Aspect Ratio	4:3(Letterbox,Pan&Scan),16:9
Decoding	Video	MPEG2 Transport MP@ML
	Audio	MPEG2 Audio Layer I&II
Other	Compliance	ETSI EN 300 744 DVB-T Compliance
	Sound Mode	Right,Left,Stereo

SAV

ADMEA / LOGISAV
ZI du clos des charmes
26 rue du clos des charmes
77090 COLLEGIEN - FRANCE

Important remarks about reading MPEG-4 videos on this unit

If you encounter any problems when playing MPEG4 videos, please check the below points:

1)There is a wide variety of codecs and compression methods in use. It is possible that some videos, including those downloaded from unofficial websites, are not fully compatible with this unit.

2)This player does not support MPEG4 videos recorded using a High Definition format. The MPEG-4 HD and H.264 formats are different from the standard-resolution one. For the time being, videos encoded in High Definition are only readable on computers.

3)Maximum resolutions supported by MPEG-4 codecs and this unit are: 720x480@30fps / 720x576@25fps

4)Videos must be encoded with a soundtrack in MP3 format, since other formats, such as AC3, are not supported. If there is no sound, it means that the audio codec is not compatible.

5)If your MPEG-4 video file does not appear on the unit's screen, check that the file name ends with the extension ".AVI". If this is not the case, you can rename the file on your personal computer.